### CAPITALIZATION RATE STUDY FOR CENTRALLY ASSESSED PROPERTIES

**FOR: JANUARY 1, 2010** 



#### **UTAH STATE TAX COMMISSION**

## PROPERTY TAX DIVISION RY

UTILITIES & TRANSPORTATION SECTION 210 NORTH 1950 WEST, THIRD FLOOR SALT LAKE CITY, UTAH 84134

(801) 297-3600

www.propertytax.utah.gov

### **PRELIMINARY**



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## **PRELIMINARY**

**PRELIMINARY** 



# UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION SUMMARY OF EQUITY RATES AND CAPITAL STRUCTURE

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Industry PRF	Equity Yield Rates	Precent Debt & Preferred Equity	Percent Common Equity	Income Tax Rate
Major Airlines	15.29%	75%	25%	38.50%
Secondary Airlines	12.96%	60%	40%	37.18%
Southwest Airlines	11.03%	25%	75%	39.26%
Freight Airlines	11.81%	10%	90%	40.60%
Electric Utilities PREL	9.96%	40%	60%	32.72%
Natural Gas Utilities	9.85%	30%	70%	35.62%
Natural Gas Pipelines	11.17%	35%	65%	32.29%
Liquid Pipelines	10.33%	30%	70%	32.43%
Railroad and Terminal	11.93%	25%	75%	35.41%
Telecom I: Wireless PREL	11.33%	30%	70%	38.76%
Telecom II: Wireline	11.13%	60%	40%	39.33%
Telecom III: Broadband	14.06%	60%	40%	38.50%
PREL	IMIN	ARY		
PREL	IMIN	ARY		



PROPERTY TAX DIVISION KEY RATES AND FIGURES

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**PUBLIC UTILITY BONDS** 

Aaa							N/A
Aa					PE	?	N/A 5.52% 5.79%
Α.					• •		5.79%
							6.26%

#### PREFERRED STOCKS

Aaa						N/A
Aa						N/A
Α.						5.93%
Baa						6.56%

#### **INVESTMENT-GRADE CORPORATE BONDS**

Aaa						5.26%
Aa						5.44%
Α.						5.77%
Baa						6.37%

#### **INFLATION FACTORS**

Year	4th Quarter GDP Implicit Price Deflator	Annual Percent Change	Conversion Factor
1999	87.23	N/A	1.260
2000	89.37	2.45%	1.230
2001	91.15	1.99%	1.206
2002	92.83	1.84%	1.184
2003	94.80	2.12%	1.160
2004	97.86	3.23%	1.123
2005	101.31	3.52%	1.085
2006	104.22	2.87%	1.055
2007	107.07	2.74%	1.027
2008	109.17	1.96%	1.007
2009	109.95	0.71%	1.000

1999 - 2009 Average Change: 2.34%

#### Source:

St. Louis Federal Reserve as of February, 2010

Website:



http://research.stlouisfed.org/fred2/series/GDPDEF

Ba1 Ba2 Ba3	Ā	F		Y								7.24% 7.57% 8.00%	
B1												8.01%	
B2	•	•	•	•	•	•	•	•	•	•	•	9.34%	
В3	•	•	•	•	•	•	•	•	•	•	•	9.41%	
Caa1											. '	10.50%	
Caa2											. 1	12.10%	
Caa3											. 1	16.86%	
Ca	1	F	7	<b>\</b>							. 2	20.15%	

#### OTHER RATES

Risk-Free Rate		4.58%
Market Risk Premium		6.70%
Default Income Tax Rate		38.50%
ValueLine GDP Price Deflator Forecast		1.70%
Airline "TEFRA" Relief Factor		6.85%
4-R Act Relief for Railroads		12.20%
4-R Act Relief (BNSF only)		6.83%
Rural Telephone Equity Rate Adj		4.00%

#### **MISCELLANEOUS INFORMATION**

Deferred Income Taxes will be subtracted in the Cost Approach for rate-base regulated companies only.

This is to comply with Commission rule R884-24P-62 (Utility Appraisal Rule). If the company is not a ratebase regulated company, no adjustment will be made.

Depletion rate for the income indicator on leased aircraft will be based upon an approximate 18 year economic life with no salvage value.

#### Resources:

The Value Line Investment Survey. January 2010 CD 2010 Ibbotson Risk Premia Over Time Report. Mergent Bond Record. January 2010 Vol. 77 No. 1 Federal Reserve Statistical Release H.15 January 4, 2010



PROPERTY TAX DIVISION

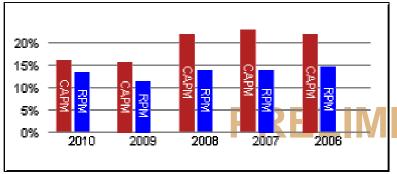
**MAJOR AIRLINES -- EQUITY RATE MODELS** 

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		DIVID	END G	ROWT	H MODEL	_			
Company Name	Tax Rate		nancial ngth	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
AMR Corp.	NMF	C+	1.33	1.65	8.26			0.00	0.00%
Cont'l Airlines	NMF	C++	1.22	1.65	20.13	22.50		0.00	0.00%
Delta Air Lines	NMF	C++	1.22	1.55	12.09			0.00	0.00%
UAL Corp.	NMF	C+	1.33	1.85	13.84			0.00	0.00%
US Airways Group	NMF	C+	1.33	1.80	5.18			0.00	0.00%
	P	RE	ELI	MI	NA	RY			
Mean	38.50		1.29	1.70		22.50	N/A		
Industry Growth Rate	11.25%	RF		M	Indic	ated Rate			N/A

RECONCILIATION OF EQUITY RATE									
Equity Models	Rate	Weight	Weighted Rate						
Capital Asset Pricing	15.97%	75.00%	11.98%						
Division's Risk Premium	13.22%	25.00%	3.31%						
Dividend Growth	0.00%	0.00%	0.00%						
	P	RE	LIM						

Reconciled Equity Rate	15.29%



CAPITAL ASSET PRICING MODEL				
Market Risk Premium	6.70%			
Industry Beta	1.70			
Industry Risk Premium	11.39%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	15.97%			

<b>DIVISION'S RISK PREMIUM MODEL</b>				
Market Risk Premium	6.70%			
Industry Relative Financial Strength	1.29			
Industry Risk Premium	8.64%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	13.22%			

١	SUMMARY OF INDUSTRY RATES						
	EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE			
	15.29%	75%	25%	38.50%			



# UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION MAJOR AIRLINES -- CAPITAL STRUCTURE

2/11/2010 **2010** 

	CAL	CULATION	OF MAR	KET VAL	UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
AMR Corp.	10,461.0	650.0	10,277.4		0.0	8.26	278.9	2,303.7
Cont'l Airlines	5,290.0	320.0	5,099.6		0.0	20.13	123.3	2,482.0
Delta Air Lines	16,655.0	1,150.0	17,654.4		0.0	12.09	695.1	8,403.8
UAL Corp.	6,979.0	475.0	7,320.5		0.0	13.84	140.0	1,937.6
US Airways Group	4,135.0	295.0	4,489.5		0.0	5.18	114.1	591.0
	PF	REL	IMI	NA	RY			
Total			44,841.4		0.0			15,718.1

	Percent Debt	Percent	80%	EQUITY	EQUITY	EQUITY	EQUITY .	EQUITY
Company Name	& Preferred Equity	Common Equity	60%					
AMR Corp.	81.69%	18.31%	40%	DEBT	DEBT	DEBT	DEBT	DEBT
Cont'l Airlines	67.26%	32.74%	20%	_	-	-	- 223.	
Delta Air Lines	67.75%	32.25%	0%	2010	2009	2008	2007	2006
UAL Corp.	79.07%	20.93%	Δ.					
US Airways Group	88.37%	11.63%	AL	DITIONA	LINFOR	KWATIO	N/COMI	WIENTS
- Community of Comp	PRF			ΔR	Y			
					•			
Mean	76 929/	22.479/	* N/4	orket Value	of Dobt: 6	3 270/		
	<b>76.83%</b>	23.17%	7	arket Value	•			
Weighted Mean	74.05%	25.95%	** M	arket Value	e of Prefe	rred Equi	ty: 6.56%	6



#### PROPERTY TAX DIVISION

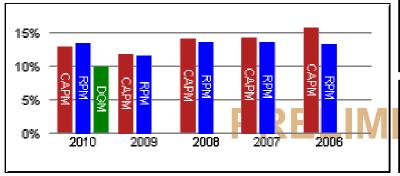
#### **SECONDARY AIRLINES -- EQUITY RATE MODELS**

2/11/2010 **2010** 

		DIVIE	DEND G	ROWT	H MODEL				
Company Name	Tax Rate		nancial ength	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
AirTran Hldgs. Inc.	NMF	С	1.44	1.35	5.24			0.00	0.00%
Alaska Air Group	NMF	C++	1.22	1.20	36.51	19.00		0.00	0.00%
ExpressJet Holdings Inc.	NMF	С	1.44	1.40	4.68			0.00	0.00%
JetBlue Airways	NMF	C++	1.22	1.25	5.85			0.00	0.00%
Pinnacle Airlines Corp	NMF	С	1.44	1.35	7.01	5.00		0.00	0.00%
Republic Airways Holdings Inc	38.45	C+	1.33	0.80	7.41	10.00		0.00	0.00%
SkyWest	35.90	RE	1.11	1.25	17.23 <b>NA</b>	0.50 <b>RY</b>	9.00	0.16	9.82%
Mean	37.18		1.31	1.23		8.63	9.00		
Industry Growth Rate	8.81%	RI		M	Indic	ated Rate			9.82%

RECONCILIATION OF EQUITY RATE						
Equity Models	Rate	Weight	Weighted Rate			
Capital Asset Pricing	12.82%	75.00%	9.62%			
Division's Risk Premium	13.36%	25.00%	3.34%			
Dividend Growth	9.82%	0.00%	0.00%			
	P	RE	LIM			

Reconciled Equity Rate	12.96%



CAPITAL ASSET PRICING MODEL				
Market Risk Premium	6.70%			
Industry Beta	1.23			
Industry Risk Premium	8.24%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	12.82%			

DIVISION'S RISK PREMIUM MODEL				
Market Risk Premium	6.70%			
Industry Relative Financial Strength	1.31			
Industry Risk Premium	8.78%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	13.36%			

SUMMARY OF INDUSTRY RATES					
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE		
12.96%	60%	40%	37.18%		



## UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION

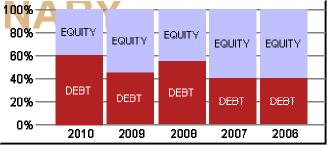
2/11/2010 **2010** 

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<b>SECONDARY AIRLINES CAPITAL STRUCTURE</b>	

CALCULATION OF MARKET VALUE								
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
AirTran Hldgs. Inc.	833.3	35.0	630.4		0.0	5.24	119.6	626.7
Alaska Air Group	1,657.5	95.0	1,538.8		0.0	36.51	36.3	1,325.3
ExpressJet Holdings Inc.	40.5		11.6		0.0	4.68	17.6	82.4
JetBlue Airways	2,972.0	190.0	2,979.7		0.0	5.85	271.8	1,590.0
Pinnacle Airlines Corp	534.0		152.4		0.0	7.01	18.1	126.9
Republic Airways Holdings Inc	2,082.2		594.1		0.0	7.41	34.4	254.9
SkyWest	1,706.6 PF	90.0 REL	1,496.7	NA	RY	17.23	56.4	971.8
Total			7,403.7		0.0			4,978.0

CAPITAL STRUCTURE	AT MARKET \	/ALUE	
	Percent Debt	Percent	
Company Name	& Preferred Equity	Common Equity	
AirTran Hldgs. Inc.	50.15%	49.85%	
Alaska Air Group	53.73%	46.27%	
ExpressJet Holdings Inc.	12.34%	87.66%	
JetBlue Airways	65.21%	34.79%	
Pinnacle Airlines Corp	54.56%	45.44%	
Republic Airways Holdings Inc SkyWest	69.98% 60.63%	30.0 <mark>2%</mark> 39.37%	
Mean Weighted Mean	<b>52.37% 59.80%</b>	47.63% 40.20%	



#### ADDITIONAL INFORMATION/COMMENTS

**NARY** 

*	Market	Value of	Debt: 6.37%	
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<sup>\*\*</sup> Market Value of Preferred Equity: 6.56%



PROPERTY TAX DIVISION

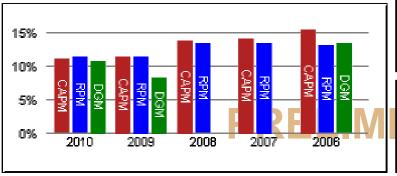
SOUTHWEST AIRLINES -- EQUITY RATE MODELS

2/11/2010 **2010** 

		DIVIDEND G	ROWT	H MODEL				
Company Name	Tax Rate	Rel. Financial Strength	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Southwest Airlines	39.26	B+ 1.00	0.95	11.64	13.00	8.00	0.02	10.69%
	P	REL	MI	NA	RY			
Mean	39.26	1.00	0.95		13.00	8.00		
Industry Growth Rate	10.50%	RFI		Indica	ated Rate			10.69%

RECONCILIATION	OF EQU	ITY RATE	
Equity Models	Rate	Weight	Weighted Rate
Capital Asset Pricing	10.95%	75.00%	8.21%
Division's Risk Premium	11.28%	25.00%	2.82%
Dividend Growth	10.69%	0.00%	0.00%
	P	RE	LIM

Reconciled Equity Rate	11.03%



CAPITAL ASSET PRICING MODEL					
Market Risk Premium	6.70%				
Industry Beta	0.95				
Industry Risk Premium	6.37%				
Add: Risk-Free Rate	4.58%				
Indicated Rate	10.95%				

<b>DIVISION'S RISK PREMIUM MODEL</b>						
Market Risk Premium	6.70%					
Industry Relative Financial Strength	1.00					
Industry Risk Premium	6.70%					
Add: Risk-Free Rate	4.58%					
Indicated Rate	11.28%					

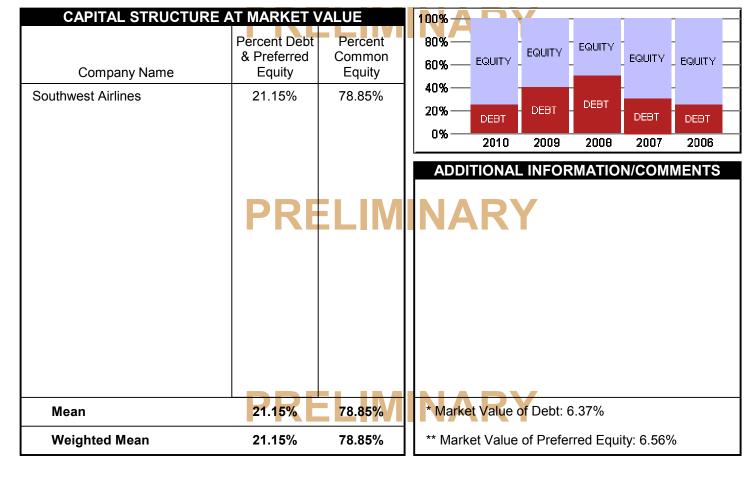
SUMMARY OF INDUSTRY RATES							
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE				
11.03%	25%	75%	39.26%				



# UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION SOUTHWEST AIRLINES -- CAPITAL STRUCTURE

2/11/2010

	CALC	ULATION	OF MAR	KET VAL	.UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
Southwest Airlines	3,378.0	120.0	2,310.2	NA	0.0	11.64	740.0	8,613.6
Total			2,310.2		0.0			8,613.6





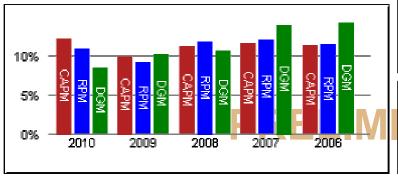
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PROPERTY TAX DIVISION
FREIGHT AIRLINES -- EQUITY RATE MODELS

		DIVIDEND	<b>GROWT</b>	H MODEL				
Company Name	Tax Rate	Rel. Financia Strength	al Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Atlas Air Worldwide	44.05	B 1.1	1 1.60	38.80	7.00		0.00	0.00%
FedEx Corp.	37.64	B++ 0.8	9 0.95	84.16	11.00	7.00	0.44	7.06%
United Parcel Serv.	40.11	A 0.7	8 0.85	58.92	1.50	6.00	1.80	9.75%
Mann		REL		NA		0.50		
Mean	40.60	0.93	3 1.13		6.50	6.50		
Industry Growth Rate	6.50%	RFI	IM	Indic	ated Rate			8.41%

RECONCILIATION OF EQUITY RATE							
Equity Models	Rate	Weight	Weighted Rate				
Capital Asset Pricing	12.15%	75.00%	9.11%				
Division's Risk Premium	10.81%	25.00%	2.70%				
Dividend Growth	8.41%	0.00%	0.00%				
	P	RE	LIM				

Reconciled Equity Rate	11.81%



CAPITAL ASSET PRICING MODEL				
Market Risk Premium	6.70%			
Industry Beta	1.13			
Industry Risk Premium	7.57%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	12.15%			

DIVISION'S RISK PREMIUM MOI	DEL
Market Risk Premium	6.70%
Industry Relative Financial Strength	0.93
Industry Risk Premium	6.23%
Add: Risk-Free Rate	4.58%
Indicated Rate	10.81%

SUMMARY OF INDUSTRY RATES							
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE				
11.81%	10%	90%	40.60%				



## UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION

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FREIGHT AIRLINES -- CAPITAL STRUCTURE

	CALC	ULATION	OF MAR	KET VAL	UE_			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
Atlas Air Worldwide	599.5	44.0	664.7		0.0	38.80	21.1	818.7
FedEx Corp.	1,918.0	80.0	1,444.8		0.0	84.16	312.0	26,257.9
United Parcel Serv.	8,908.0	350.0	6,468.5		0.0	58.92	995.4	58,649.0
	PR	<b>EL</b>	IMI	NA				
Total			8,578.0		0.0			85,725.6

CAPITAL STRUCTURE	AT MARKET \	<b>VALUE</b>	100%					
	Percent Debt & Preferred	Percent Common	80%—		<u>.</u>	-	_	
Company Name	Equity	Equity	60%—	EQUITY	EQUITY	EQUITY	EQUITY	EQUITY
Atlas Air Worldwide	44.81%	55.19%	40%—		-			
FedEx Corp.	5.22%	94.78%	20%—	DEBT	DEBT		DEBT	
United Parcel Serv.	9.93%	90.07%	0%—	2010	2009	2008	2007	2006
			ADD	ITIONA	L INFOR	RMATIO	N/COM	MENTS
	PRE	ELIM	NA	\R'	Y			
		L						
Mean	19.99%	80.01%	* Mark	et Value	of Debt: 6	3.37%		
Weighted Mean	9.10%	90.90%	** Marl	ket Value	of Prefe	rred Equ	ity: 6.56%	<b>%</b>



#### PROPERTY TAX DIVISION

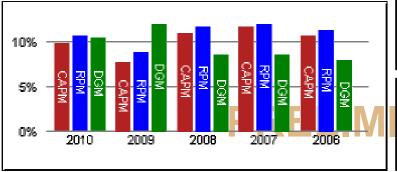
#### **ELECTRIC UTILITIES -- EQUITY RATE MODELS**

2/11/2010 **2010** 

		DIVID	END G	ROWTI	H MODEL				
Company Name	Tax Rate	Rel. Fi	nancial ngth	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Black Hills	33.14	B+	1.00	0.80	26.48	10.00	2.50	1.44	11.15%
Portland General	28.69	B++	0.89	0.75	20.23	3.50	5.50	1.04	10.84%
ALLETE	34.34	Α	0.78	0.70	32.68	NMF	3.00	1.78	11.16%
Alliant Energy	33.37	Α	0.78	0.70	30.83	4.00	7.00	1.60	10.89%
DPL Inc.	29.62	B++	0.89	0.60	27.32	9.00	3.50	1.16	9.90%
Integrys Energy	29.09	B+	1.00	0.95	42.23	5.50	1.50	2.72	12.21%
OGE Energy	30.43	Α	0.78	0.75	36.81	4.50	2.50	1.46	9.60%
Wisconsin Energy	37.63	B++	0.89	0.65	49.61	8.00	13.50	1.55	8.71%
Allegheny Energy	34.15	B++	0.89	0.95	23.39	7.00	NMF	0.60	8.12%
TECO Energy	36.76	В	1.11	0.85	15.76	4.50	2.50	0.80	10.77%
Mean	32.72		0.90	0.77		6.22	4.61		
Industry Growth Rate	5.42%	RF	ш	M	Indic	ated Rate			10.34%

RECONCILIATION OF EQUITY RATE						
Equity Models	Rate	Weight	Weighted Rate			
Capital Asset Pricing	9.74%	75.00%	7.31%			
Division's Risk Premium	10.61%	25.00%	2.65%			
Dividend Growth	10.34%	0.00%	0.00%			
	P	RE	LIM			

Reconciled Equity Rate	9.96%



CAPITAL ASSET PRICING MODEL				
Market Risk Premium	6.70%			
Industry Beta	0.77			
Industry Risk Premium	5.16%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	9.74%			

DIVISION'S RISK PREMIUM MODEL				
Market Risk Premium	6.70%			
Industry Relative Financial Strength	0.90			
Industry Risk Premium	6.03%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	10.61%			

SUMMARY OF INDUSTRY RATES							
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE				
9.96%	40%	60%	32.72%				



## UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION

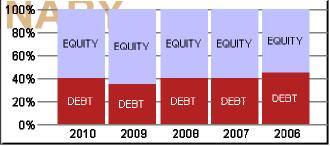
## PROPERTY TAX DIVISION ELECTRIC UTILITIES -- CAPITAL STRUCTURE

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	CAL	CULATION	OF MAR	KET VAL	.UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
Black Hills	719.2	53.9	809.9	0.0	0.0	26.48	38.6	1,022.1
Portland General	1,408.0	87.0	1,377.8	0.0	0.0	20.23	62.6	1,266.4
ALLETE	628.4	30.8	524.9	0.0	0.0	32.68	32.6	1,065.4
Alliant Energy	2,155.9	135.0	2,129.7	18.7	285.1	30.83	110.4	3,403.6
DPL Inc.	1,375.8	80.0	1,290.1	0.8	12.2	27.32	116.0	3,169.1
Integrys Energy	2,396.7	134.2	2,189.5	3.1	47.3	42.23	76.0	3,209.5
OGE Energy	1,930.8	125.5	1,958.9	0.0	0.0	36.81	93.5	3,441.7
Wisconsin Energy	3,631.2	203.3	3,317.0	1.2	18.3	49.61	116.9	5,799.4
Allegheny Energy	4,327.4	240.0	3,927.4	0.0	0.0	23.39	169.4	3,962.3
TECO Energy	3,201.7	206.5	3,230.3	0.0	0.0	15.76	212.9	3,355.3
Total			20,755.5		362.9			29,694.8

CAPITAL STRUCTURE A	I WARREI	ALUE	
	Percent Debt & Preferred	Percent Common	
Company Name	Equity	Equity	
Black Hills	44.21%	55.79%	
Portland General	52.11%	47.89%	
ALLETE	33.01%	66.99%	
Alliant Energy	41.50%	58.50%	
DPL Inc.	29.13%	70.87%	
Integrys Energy	41.07%	58.93%	
OGE Energy	36.27%	63.73%	
Wisconsin Energy	36.51%	63.49%	
Allegheny Energy	49.78%	50.22%	
TECO Energy	49.05%	50.95%	
	DDE		H
Mean	41.26%	58.74%	
Weighted Mean	41.56%	58.44%	

CAPITAL STRUCTURE AT MARKET VALUE



#### **ADDITIONAL INFORMATION/COMMENTS**

Several reviews of the industry reflect an increased risk for those companies that have nuclear power generation. Although last year included a small percentage of companies with nuclear power, this year more data surfaced with details about the environmental risk that is perceived due to the cost of holding spent rods because the government never developed disposal sites. This has indicated that several companies have sold for less than comparable coal generation companies.

\* Market Value of Debt: 6.37%



## UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION

NATURAL GAS UTILITIES -- EQUITY RATE MODELS

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		DIVID	END G	ROWT	H MODEL				
Company Name	Tax Rate	Rel. Fir		Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
AGL Resources	40.52	B++	0.89	0.75	36.37	3.50	2.50	1.76	8.94%
Atmos Energy	38.39	B+	1.00	0.65	29.35	4.00	1.50	1.34	8.65%
Laclede Group	31.27	B+	1.00	0.60	33.69	3.50	2.50	1.58	8.78%
Nicor Inc.	27.05	Α	0.78	0.75	41.69	1.50		1.86	8.55%
Northwest Nat. Gas	36.95	Α	0.78	0.60	45.11	5.00	6.50	1.68	7.78%
Piedmont Natural Gas	36.35	B++	0.89	0.65	26.17	7.00	3.50	1.08	8.20%
Questar Corp.	34.32	B++	0.89	1.20	43.20	3.50	3.50	0.52	5.16%
Southwest Gas	40.11	B	1.11	0.75	29.09	6.00	5.00	1.00	7.48%
Mean	35.62		0.92	0.74		4.25	3.57		
Industry Growth Rate	3.91%	RE	Ш	M	Indic	ated Rate			7.94%

RECONCILIATION OF EQUITY RATE							
Equity Models	Rate	Weight	Weighted Rate				
Capital Asset Pricing	9.54%	75.00%	7.16%				
Division's Risk Premium	10.74%	25.00%	2.69%				
Dividend Growth	7.94%	0.00%	0.00%				
	P	RE	LIM				

Reconciled Equity Rate		9.85%
	PRE	'I IIVI

5% -	DOM RPM	DGM CAPM	RPM CAPM	CAPM DOM	CAPM DGM
U36	2010	2009	2008	2007	2006

CAPITAL ASSET PRICING MOD	DEL
Market Risk Premium	6.70%
Industry Beta	0.74
Industry Risk Premium	4.96%
Add: Risk-Free Rate	4.58%
Indicated Rate	9.54%

DIVISION'S RISK PREMIUM MOD	DEL
Market Risk Premium	6.70%
Industry Relative Financial Strength	0.92
Industry Risk Premium	6.16%
Add: Risk-Free Rate	4.58%
Indicated Rate	10.74%

SUMMARY OF INDUSTRY RATES								
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE					
9.85%	30%	70%	35.62%					



# UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION NATURAL GAS UTILITIES -- CAPITAL STRUCTURE

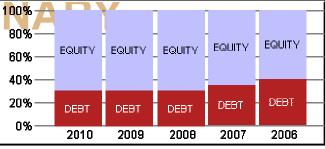
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	CALC	ULATION	OF MAR	KET VAL	.UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
AGL Resources	1,975.0	90.0	1,573.3		0.0	36.37	76.9	2,796.9
Atmos Energy	2,169.4	115.0	1,909.2		0.0	29.35	90.8	2,665.0
Laclede Group	389.2	25.0	391.5		0.0	33.69	22.0	741.2
Nicor Inc.	498.8	5.0	198.4	0.0	0.0	41.69	45.1	1,880.2
Northwest Nat. Gas	637.0	37.0	596.9		0.0	45.11	26.5	1,195.4
Piedmont Natural Gas	792.8	55.5	848.9		0.0	26.17	73.3	1,918.3
Questar Corp.	2,104.9	120.0	1,946.9		0.0	43.20	173.6	7,499.5
Southwest Gas	1,226.6	85.0	1,303.6	NA	0.0	29.09	44.2	1,285.8
Total			8,768.7		0.0		J	19,982.3

CAPITAL STRUCTURE A	T MARKET \	/ALUE	1
Company Name	Percent Debt & Preferred Equity	Percent Common Equity	
AGL Resources	36.00%	64.00%	
Atmos Energy	41.74%	58.26%	
Laclede Group	34.56%	65.44%	
Nicor Inc.	9.54%	90.46%	
Northwest Nat. Gas	33.30%	66.70%	
Piedmont Natural Gas	30.68%	69.32%	
Questar Corp.	20.61%	79.39%	
Southwest Gas	50.34%	49.66%	
Mean	32.10%	67.90%	
Weighted Mean	30.50%	69.50%	



#### ADDITIONAL INFORMATION/COMMENTS

NARY

\* Market Value of Debt: 6.37%



# UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION NATURAL GAS PIPELINES -- EQUITY RATE MODELS

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11.65%

		DIVI	DEND G	ROWT	H MODEL				
Company Name	Tax Rate		inancial ength	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Boardwalk Pipeline	NMF	B+	1.00	0.85	30.38	5.00	4.00	1.98	13.44%
Energy Transfer	NMF	B++	0.89	0.85	46.44	4.00	8.50	3.64	14.85%
Enterprise Products	NMF	B+	1.00	0.85	33.00	12.00	10.00	2.21	13.63%
Williams Cos.	34.84	B+	1.00	1.30	21.82	9.00	9.00	0.48	8.84%
Questar Corp.	34.32	B++	0.89	1.20	43.20	3.50	3.50	0.52	7.78%
TransCanada Corp.	27.72	B++	0.89	0.90	34.70	7.00	2.50	1.44	10.92%
El Paso Pipeline	NMF	RI	1.11	0.75	26.65 <b>N</b>	RY		1.40	12.09%
Mean	32.29		0.97	0.96	<u>l</u>	6.75	6.25		

RECONCILIATION OF EQUITY RATE					
Equity Models	Rate	Weight	Weighted Rate		
Capital Asset Pricing	11.01%	75.00%	8.26%		
Division's Risk Premium	11.08%	0.00%	0.00%		
Dividend Growth	11.65%	25.00%	2.91%		
	P	RE	LIM		

6.50%

**Industry Growth Rate** 

Indicated Rate	11.01%
Add: Risk-Free Rate	4.58%
Industry Risk Premium	6.43%
Industry Beta	0.96
Market Risk Premium	6.70%

**CAPITAL ASSET PRICING MODEL** 

Indicated Rate

Reconciled Equity Rate	11.17%

DIVISION'S RISK PREMIUM MODEL				
Market Risk Premium	6.70%			
Industry Relative Financial Strength	0.97			
Industry Risk Premium	6.50%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	11.08%			

0% 2010 2009 2008 2007 2006
-----------------------------

SUMMARY OF INDUSTRY RATES						
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE			
11.17%	35%	65%	32.29%			



#### **UTAH STATE TAX COMMISSION** PROPERTY TAX DIVISION **NATURAL GAS PIPELINES -- CAPITAL STRUCTURE**

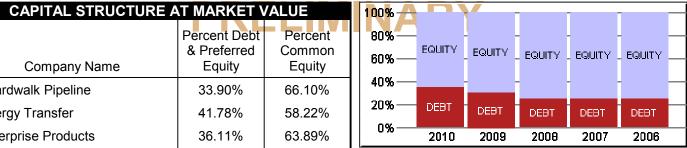
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	CAL	CULATION	OF MAR	KET VAL	.UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
Boardwalk Pipeline	3,024.5	170.0	2,770.3		0.0	30.38	177.8	5,401.6
Energy Transfer	6,166.0	295.0	5,069.0		0.0	46.44	152.1	7,063.5
Enterprise Products	9,198.3	500.0	8,234.2		0.0	33.00	441.4	14,566.2
Williams Cos.	8,258.0	650.0	9,648.8		0.0	21.82	578.0	12,612.0
Questar Corp.	2,104.9	120.0	1,946.9		0.0	43.20	173.6	7,499.5
TransCanada Corp.	15,558.9	725.0	12,573.4		0.0	34.70	616.5	21,392.6
El Paso Pipeline	1,355.3	REL	643.6	33.8	515.2 <b>R</b>	26.65	85.0	2,265.3
Total			40,886.2		515.2			70,800.7

CAPITAL STRUCTURE A	IIWARKEI	ALUE	100%
Company Name	Percent Debt & Preferred Equity	Percent Common Equity	80%— 60%— EQUITY EQUITY
Boardwalk Pipeline	33.90%	66.10%	40%
Energy Transfer	41.78%	58.22%	20% DEBT DEBT
Enterprise Products	36.11%	63.89%	0% 2010 2009
Williams Cos.	43.34%	56.66%	ADDITIONAL INFOR
Questar Corp.	20.61%	79.39%	
TransCanada Corp.	37.02%	62.98%	INARY
El Paso Pipeline	33.84%	66.16%	
Mean	35.23%	64.77%	* Market Value of Debt: 6
Weighted Mean	36.90%	63.10%	** Market Value of Prefer



#### RMATION/COMMENTS

6.37%

rred Equity: 6.56%



#### PROPERTY TAX DIVISION

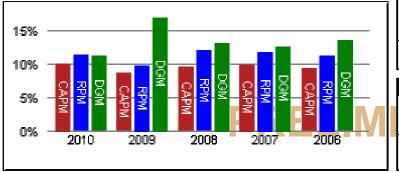
#### **LIQUID PIPELINES -- EQUITY RATE MODELS**

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		DIVID	DEND G	ROWT	H MODEL				
Company Name	Tax Rate		nancial ength	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Buckeye Partners L.P.	NMF	B+	1.00	0.85	56.14	7.00	3.50	3.77	11.73%
Kinder Morgan Energy	NMF	B+	1.00	0.75	62.38	4.00	8.00	4.40	12.09%
Magellan Midstream	NMF	B+	1.00	0.90	44.25	2.00	3.50	2.92	11.61%
Plains All Amer. Pipe.	NMF	B+	1.00	0.90	54.25	2.50	3.00	3.68	11.80%
Enbridge Inc.	32.43	B+	1.00	0.65	48.15	7.00	6.50	1.70	8.40%
	P	RE	ΞLI	MI	NA	RY			
Mean	32.43		1.00	0.81		4.50	4.90		
Industry Growth Rate	4.70%	R	<u>=                                     </u>	M	Indic	ated Rate			11.13%

RECONCILIATION OF EQUITY RATE					
Equity Models	Rate	Weight	Weighted Rate		
Capital Asset Pricing	10.01%	75.00%	7.51%		
Division's Risk Premium	11.28%	25.00%	2.82%		
Dividend Growth	11.13%	0.00%	0.00%		
	P	RE	LIM		

Reconciled Equity Rate	10.33%



CAPITAL ASSET PRICING MODEL				
Market Risk Premium	6.70%			
Industry Beta	0.81			
Industry Risk Premium	5.43%			
Add: Risk-Free Rate	4.58%			
Indicated Rate	10.01%			

DIVISION'S RISK PREMIUM MODEL							
Market Risk Premium	6.70%						
Industry Relative Financial Strength	1.00						
Industry Risk Premium	6.70%						
Add: Risk-Free Rate	4.58%						
Indicated Rate	11.28%						

SUMMARY OF INDUSTRY RATES								
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE					
10.33%	30%	70%	32.43%					



# UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION LIQUID PIPELINES -- CAPITAL STRUCTURE

2/11/2010

2010

	CAL	CULATION	OF MAR	KET VAL	.UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
Buckeye Partners L.P.	1,420.9	70.0	1,190.8		0.0	56.14	48.4	2,717.2
Kinder Morgan Energy	10,247.4	425.0	7,692.1		0.0	62.38	266.3	16,611.8
Magellan Midstream	1,624.6	80.0	1,361.1		0.0	44.25	66.7	2,951.5
Plains All Amer. Pipe.	4,142.0	180.0	3,201.3		0.0	54.25	122.9	6,667.3
Enbridge Inc.	12,181.0	525.0	9,365.7	6.9	105.2	48.15	373.0	17,960.0
	PF	REL	IMI	NA	RY			
Total			22,811.0		105.2			46,907.8

CAPITAL STRUCTURE AT MARKET VALUE									_	
Company Name	Percent Debt & Preferred Equity	Percent Common Equity		100% 80% 60%	EQUITY	EQUITY	EQUITY	EQUITY	- _ EQUITY	
Buckeye Partners L.P.	30.47%	69.53%		40% —				-		
Kinder Morgan Energy	31.65%	68.35%		20%	DEBT	DEBT	DEBT	DEBT	DEBT	Г
Magellan Midstream	31.56%	68.44%		0%—	2010	2009	2008	2007	2006	
Plains All Amer. Pipe.	32.44%	67.56%		ADDI	TIONAI	INFOR	RMATIO	N/COM	MENTS	
Enbridge Inc.	34.53%	65.47%								
	PRE	ELIM		NA	\R'	Y				
			$\  \ $							
Mean	32.13%	67.87%		* Marke	et Value	of Debt: 6	6.37%			
Weighted Mean	32.82%	67.18%		** Mark	et Value	of Prefe	red Equi	ty: 6.56%	6	



#### PROPERTY TAX DIVISION

#### **RAILROAD AND TERMINAL -- EQUITY RATE MODELS**

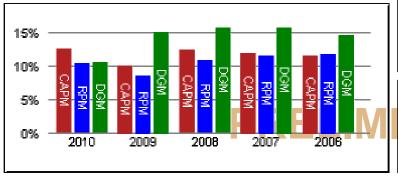
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DIVIDEND GROWTH MODEL									
Company Name	Tax Rate		nancial ngth	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Burlington Northern	36.39	Α	0.78	1.05	98.76	6.00	9.00	1.60	10.21%
Can. National Railway	30.04	Α	0.78	1.20	54.98	9.00	11.00	0.94	10.30%
CSX Corp.	36.99	B++	0.89	1.25	50.06	11.50	15.00	0.88	10.36%
Norfolk Southern	37.60	B+	1.00	1.15	53.36	1.50	7.50	1.36	11.21%
Union Pacific	36.05	Α	0.78	1.20	66.59	6.50	7.50	1.08	10.21%
Mean		RE	0.85	1.17	NA	6.90	10.00		
Mean	35.41		0.85	1.17		6.90	10.00		
Industry Growth Rate	8.45%	RF	ш	M	Indic	ated Rate			10.46%

RECONCILIATION OF EQUITY RATE								
Equity Models	Rate	Weight	Weighted Rate					
Capital Asset Pricing	12.42%	75.00%	9.32%					
Division's Risk Premium	10.28%	0.00%	0.00%					
Dividend Growth	10.46%	25.00%	2.61%					
	P	RF	I IM					

Reconciled Equity Rate 11.93%



CAPITAL ASSET PRICING MODEL						
Market Risk Premium	6.70%					
Industry Beta	1.17					
Industry Risk Premium	7.84%					
Add: Risk-Free Rate	4.58%					
Indicated Rate	12.42%					

DIVISION'S RISK PREMIUM MOD	DEL
Market Risk Premium	6.70%
Industry Relative Financial Strength	0.85
Industry Risk Premium	5.70%
Add: Risk-Free Rate	4.58%
Indicated Rate	10.28%

SUMN	MARY OF IN	IDUSTRY R	ATES
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE
11.93%	25%	75%	35.41%



## UTAH STATE TAX COMMISSION PROPERTY TAX DIVISION

2010

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#### RAILROAD AND TERMINAL -- CAPITAL STRUCTURE

CALCULATION OF MARKET VALUE								
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
Burlington Northern	10,062.0	700.0	10,724.5	0.0	0.0	98.76	339.4	33,519.1
Can. National Railway	6,055.0	361.0	5,777.8	0.0	0.0	54.98	468.2	25,741.6
CSX Corp.	7,906.0	555.0	8,482.5	0.0	0.0	50.06	390.5	19,548.4
Norfolk Southern	6,685.0	440.0	6,843.9	0.0	0.0	53.36	366.2	19,540.4
Union Pacific	9,620.0	530.0	8,691.1	0.0	0.0	66.59	503.2	33,508.1
	PF	REL	IMI	NA	RY			
Total			40,519.8		0.0			131,857.6

CAPITAL STRUCTURE	E AT MARKET \	/ALUE	10
Company Name	Percent Debt & Preferred Equity	Percent Common Equity	8
Burlington Northern	24.24%	75.76%	4
Can. National Railway	18.33%	81.67%	2
CSX Corp.	30.26%	69.74%	
Norfolk Southern	25.94%	74.06%	
Union Pacific	20.60% PRE	79.40% <b>ELIM</b>	B H c p V in n in
Mean	23.87%	76.13%	*
Weighted Mean	23.51%	76.49%	

100%						
80%—		<u>'</u>	-	_		$\dashv$
60%—	EQUITY .	- EQUITY	- EQUITY	EQUITY .	EQUITY	_
40%		-	-	-		_
20%	DEBT	DEBT	DEBT	DEBT	DEBT	-
0%—	2010	2009	2008	2007	2006	$\dashv$

#### ADDITIONAL INFORMATION/COMMENTS

BNSF will be purchased in 2010 by Berkshire Hathaway. This will eliminate a publicly traded company from Value Line for 2011. The purchase price has vacilated depending upon the source, but Value Line lists the price at \$34 billion. There is no indication in the report that the price does or does not include the already owned stake Berkshire has in the company.



PROPERTY TAX DIVISION

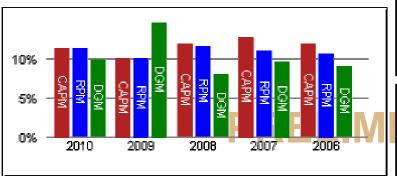
**TELECOM I: WIRELESS -- EQUITY RATE MODELS** 

2/11/2010

		DIVIE	DEND G	ROWT	H MODEL				
Company Name	Tax Rate		nancial ength	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
AT&T Inc.	35.35	A+	0.67	0.75	28.54	5.00	5.50	1.68	14.09%
Verizon Communic.	34.42	A+	0.67	0.70	33.00	4.00	2.50	1.90	13.95%
U.S. Cellular	NMF	B+	1.00	1.10	42.18	4.00		0.00	7.75%
Sprint Nextel Corp.	NMF	C++	1.22	1.35	4.04		7.00	0.00	7.75%
Leap Wireless	NMF	C++	1.22	1.30	18.76			0.00	7.75%
Metro PCS Communic.	46.52	C++	1.22	0.85	7.97	29.00		0.00	7.75%
	P	RE	ΞLI	MI	NA	RY			
Mean Industry Growth Rate	<b>38.76</b> 7.7 <mark>5</mark> %	RF	1.00	1.01	Indic	10.50	5.00		9.84%

RECONCILIATION OF EQUITY RATE							
Equity Models	Rate	Weight	Weighted Rate				
Capital Asset Pricing	11.35%	75.00%	8.51%				
Division's Risk Premium	11.28%	25.00%	2.82%				
Dividend Growth	9.84%	0.00%	0.00%				
	P	RE	LIM				

Reconciled Equity Rate	11.33%



CAPITAL ASSET PRICING MODEL						
Market Risk Premium	6.70%					
Industry Beta	1.01					
Industry Risk Premium	6.77%					
Add: Risk-Free Rate	4.58%					
Indicated Rate	11.35%					

DIVISION'S RISK PREMIUM MOD	DEL
Market Risk Premium	6.70%
Industry Relative Financial Strength	1.00
Industry Risk Premium	6.70%
Add: Risk-Free Rate	4.58%
Indicated Rate	11.28%

SUMN	MARY OF IN	IDUSTRY R	ATES
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE
11.33%	30%	70%	38.76%



PROPERTY TAX DIVISION

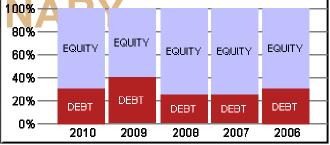
**TELECOM I: WIRELESS -- CAPITAL STRUCTURE** 

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CALCULATION OF MARKET VALUE										
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity		
AT&T Inc.	65,909.0	3,400.0	56,951.4		0.0	28.54	5,893.0	168,186.2		
Verizon Communic.	57,374.0	1,650.0	34,882.2		0.0	33.00	2,840.6	93,739.8		
U.S. Cellular	997.6	58.0	935.4		0.0	42.18	87.3	3,682.3		
Sprint Nextel Corp.	20,892.0	1,385.0	21,499.9		0.0	4.04	2,857.0	11,542.3		
Leap Wireless	2,752.8	200.0	3,029.3		0.0	18.76	69.5	1,303.8		
Metro PCS Communic.	3,590.7	280.0	4,165.9		0.0	7.97	350.9	2,796.7		
	PF	REL	IMI	NA	RY					
Total			121,464.1		0.0			281,251.1		

CAPITAL STRUCTURE	AT MARKET \	/ALUE	I
	Percent Debt	Percent	
Company Name	& Preferred Equity	Common Equity	
AT&T Inc.	25.30%	74.70%	
Verizon Communic.	27.12%	72.88%	
U.S. Cellular	20.26%	79.74%	
Sprint Nextel Corp.	65.07%	34.93%	•
Leap Wireless	69.91%	30.09%	ľ
Metro PCS Communic.	59.83%	40.17%	
			١
			١
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			١
			١
Mean	44.58%	55.42%	
Weighted Mean	30.16%	69.84%	



#### ADDITIONAL INFORMATION/COMMENTS

The Wireless segment of the industry is by far the most competitive. With the penetration rate approaching 90%, there are few customers to be brought in. Therefore, there is very strong competition between the carriers causing them to offer plans at cut-throat prices. This is a risky path for them to go down as they may not be able to generate the revenues necessary to build out their current systems and upgrade to the newer technologies such as 4G LTE. To keep subscribers, the carriers have to employ the latest and greatest technology and handsets to appease the fickle consumers.

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\* Market Value of Debt: 6.37%



PROPERTY TAX DIVISION

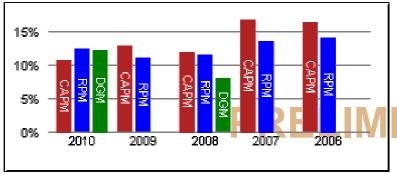
**TELECOM II: WIRELINE -- EQUITY RATE MODELS** 

2/11/2010 **2010** 

		DIVID	END G	ROWT	H MODEL				
Company Name	Tax Rate		nancial ngth	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
CenturyTel Inc.	37.01	B++	0.89	0.75	36.84	2.50	NMF	2.80	12.71%
Cincinnati Bell	41.70	C+	1.33	1.05	3.56	6.00		0.00	4.75%
Frontier Communic.	36.83	В	1.11	0.95	7.93	5.00		0.75	14.66%
lowa Telecom. Svcs.	42.95	В	1.11	0.75	17.03	NMF		1.62	14.71%
Qwest Communic.	38.04	C+	1.33	1.05	4.33	NMF	NMF	0.32	12.49%
Windstream Corp.	39.44	В	1.11	0.95	11.19	2.50	5.50	1.00	14.11%
	P	RE	ΞLI	MI	NA	RY			
Mean	39.33		1.15	0.92		4.00	5.50		
Industry Growth Rate	4.75%	RE	Ш	M	Indic	ated Rate			12.24%

RECONCILIATION OF EQUITY RATE								
Equity Models	Rate	Weight	Weighted Rate					
Capital Asset Pricing	10.74%	75.00%	8.06%					
Division's Risk Premium	12.29%	25.00%	3.07%					
Dividend Growth	12.24%	0.00%	0.00%					
	P	RE	LIM					

Reconciled Equity Rate	11.13%



CAPITAL ASSET PRICING MOD	DEL
Market Risk Premium	6.70%
Industry Beta	0.92
Industry Risk Premium	6.16%
Add: Risk-Free Rate	4.58%
Indicated Rate	10.74%

DIVISION'S RISK PREMIUM MOD	DEL
Market Risk Premium	6.70%
Industry Relative Financial Strength	1.15
Industry Risk Premium	7.71%
Add: Risk-Free Rate	4.58%
Indicated Rate	12.29%

SUMMARY OF INDUSTRY RATES						
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE			
11.13%	60%	40%	39.33%			



PROPERTY TAX DIVISION

**TELECOM II: WIRELINE -- CAPITAL STRUCTURE** 

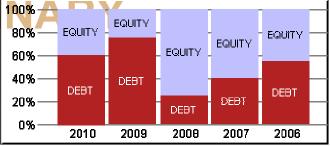
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	CAL	CULATION	OF MAR	KET VAL	UE			
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity
CenturyTel Inc.	7,454.5	400.0	6,614.7		0.0	36.84	297.5	10,959.9
Cincinnati Bell	1,932.2	125.0	1,953.7	10.4	158.5	3.56	202.9	722.3
Frontier Communic.	4,897.5	375.0	5,604.7		0.0	7.93	312.3	2,476.5
Iowa Telecom. Svcs.	566.9	30.0	498.3		0.0	17.03	32.8	558.6
Qwest Communic.	13,210.0	1,050.0	15,549.5		0.0	4.33	1,726.6	7,476.2
Windstream Corp.	5,199.0	390.0	5,859.0		0.0	11.19	427.3	4,781.5
	PF	REL	IMI	NA	RY			
Total			36,079.9		158.5			26,975.0

SAI ITAL STROSTORE A	Percent Debt	Percent
	& Preferred	Common
Company Name	Equity	Equity
CenturyTel Inc.	37.64%	62.36%
Cincinnati Bell	74.52%	25.48%
Frontier Communic.	69.35%	30.65%
lowa Telecom. Svcs.	47.15%	52.85%
Qwest Communic.	67.53%	32.47%
Windstream Corp.	55.06%	44.94%
Mean	58.54%	41.46%
Weighted Mean	57.33% 42.67%	

**CAPITAL STRUCTURE AT MARKET VALUE** 



#### ADDITIONAL INFORMATION/COMMENTS

The Wireline segment of the industry is struggling to stay alive. There is more and more pressure for them to provide the same technologies and services provided by the wireless and broadband carriers. Simply put, they cannot compete because their networks are not designed to operate with the newer technologies. As a result they are trying to remain competitive by installing the systems that provide the newer technologies while maintaining the older systems. At the same time they are having to reduce rates to keep customer migration down cutting into their ability to maintain and buildout at the same time.

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\* Market Value of Debt: 6.37%



PROPERTY TAX DIVISION

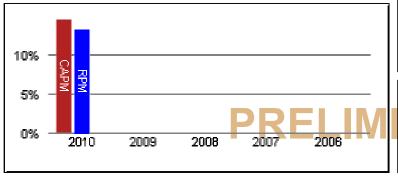
**TELECOM III: BROADBAND -- EQUITY RATE MODELS** 

2/11/2010

		DIVID	END G	ROWT	H MODEL				
Company Name	Tax Rate		nancial ength	Beta	Recent Stock Price	Projected Earnings Growth	Projected Dividend Growth	Current Dividend	D.G.M. Rate
Clearwire Corp.	NMF	C++	1.22	1.50	7.54			0.00	0.00%
FiberTower Corporation	NMF	С	1.44	2.00	4.55			0.00	0.00%
Global Crossing	NMF	C++	1.22	1.00	15.00	12.00		0.00	0.00%
Level 3 Communic.	NMF	C++	1.22	1.35	1.62	4.50		0.00	0.00%
Maara		RE			NA	RY	N/A		
Mean	38.50		1.28	1.46		8.25	N/A		
Industry Growth Rate	4.13%	RF			Indic	ated Rate			N/A

RECONCILIATION OF EQUITY RATE					
Equity Models	Rate	Weight	Weighted Rate		
Capital Asset Pricing	14.36%	75.00%	10.77%		
Division's Risk Premium	13.16%	25.00%	3.29%		
Dividend Growth	0.00%	0.00%	0.00%		
	P	RE	LIM		

Reconciled Equity Rate	14.06%



CAPITAL ASSET PRICING MOD	EL
Market Risk Premium	6.70%
Industry Beta	1.46
Industry Risk Premium	9.78%
Add: Risk-Free Rate	4.58%
Indicated Rate	14.36%

DIVISION'S RISK PREMIUM MODEL			
Market Risk Premium	6.70%		
Industry Relative Financial Strength	1.28		
Industry Risk Premium	8.58%		
Add: Risk-Free Rate	4.58%		
Indicated Rate	13.16%		

SUMMARY OF INDUSTRY RATES						
EQUITY RATE	PERCENT DEBT	PERCENT EQUITY	TAX RATE			
14.06%	60%	40%	38.50%			



PROPERTY TAX DIVISION

TELECOM III: BROADBAND -- CAPITAL STRUCTURE

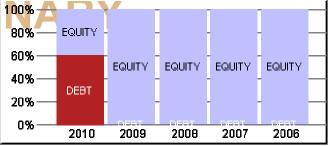
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CALCULATION OF MARKET VALUE									
Company Name	Long- Term Debt	Long- Term Interest	Market Value of Debt*	Pref'd Divids	MV of Pref'd. Equity**	Recent Stock Price	Common Shares Outstndg	Market Value of Equity	
Clearwire Corp.	1,394.9	100.0	1,519.9		0.0	7.54	189.9	1,431.8	
FiberTower Corporation	307.5	0.0	87.7		0.0	4.55	15.1	68.7	
Global Crossing	1,402.0	84.0	1,342.5		0.0	15.00	56.7	850.5	
Level 3 Communic.	6,100.0	160.0	3,535.6		0.0	1.62	1,617.6	2,620.5	
	PF	REL	IMI	NA					
Total			6,485.7		0.0			4,971.5	

CAPITAL STRUCTURE A	I WARKET VALUE			
O. W. Marris	Percent Debt & Preferred	Percent Common		
Company Name	Equity	Equity		
Clearwire Corp.	51.49%	48.51%		
FiberTower Corporation	56.07%	43.93%		
Global Crossing	61.22%	38.78%		
Level 3 Communic.	57.43%	42.57%		
			ſ	
	PRE	ELIM		
Mean	56.55%	43.45%		
Weighted Mean	56.61%	43.39%		

CAPITAL STRUCTURE AT MARKET VALUE



#### ADDITIONAL INFORMATION/COMMENTS

The Broadband segment is starting to grow some legs as the older traditional carriers rely on them to carry data and video traffic for them. To a degree, the wireless and wireline carriers rely on the broadband carriers to carry some of their traffic as well. As consumers require more data, video and voice either through their smart phone devices, home and business needs, the broadband carriers will be carrying this traffic. Other than the Wi-Max network Sprint/Nextel and others are building or planning to build, there is an abundance of capacity waiting to be filled.

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\* Market Value of Debt: 6.37%